

Dede Nurzaman

zamkara.uk

+62 823 1465 1172 hi@zamkara.uk linkedin.com/in/zamkara zamkara

South Jakarta, Jakarta, Indonesia

Summary

IT Engineer ↗ Design Engineer ↶ Open Collective Dev

A versatile IT Engineer and Design Engineer specializing in open-source development within the Open Collective ecosystem. With 5 years of experience bridging design and technology, I build scalable, user-centric systems and interfaces that enhance performance and engagement. Proficient in Linux environments and modern web frameworks, I integrate design thinking with engineering precision to craft efficient, resilient, and visually coherent digital solutions. Driven by collaboration and continuous learning, I contribute to open infrastructure that empowers communities and advances transparent innovation.

Education Level

Amikom Purwokerto University 2021 - 2025 GPA 3.73/4.00 Bachelor of Computer Science, Informatics

Certification

Red Hat System Administration RH124

The Linux Foundation Open Source Developer Certification LFOSD

Microsoft 365 Certification TRUST Training Partners

Projects

Independent Tera Shortlink 2025 Dev Founder Minimalist & Powerfull Shortlink

Minimalist, privacy-centric URL shortener on Cloudflare Workers + KV.

Supported custom/auto slugs, expiry, metadata, per-user isolation.

Provided lightweight analytics and secure, stateless architecture.

FOSS Capybara Captcha 2025 Dev Founder PoW-based & Serverless CAPTCHA

Architected CAPTCHA using proof-of-work logic on Cloudflare Workers for zero-server, privacy-first deployment.

Designed API endpoints: /challenge, /verify, /get — minimal, efficient, stateless. Used KV store for ephemeral state; no cookies, no tracking, data discarded after use.

Optimized response latency (~50 ms), payload size (~5 KB), high throughput on free tier.

Dropit 2025 Dev Founder LAN-only P2P File & Chat

Built Next.js app for LAN-only P2P file sharing and chat via WebRTC.

Signaling via Cloudflare Durable Objects; fallback to KV, in-memory for dev.

Enabled optional AES-GCM encryption for sender-side security. Designed stateless, direct LAN traffic; no STUN/TURN; host candidates only.

Almaterata 2024 Portfolio site Personal Portfolio Website

Built responsive with AstroJS, minimalist portfolio website, graphic design, and frontend work.

Integrated dynamic content management, blog, and project showcases.

Deployed with modern web stack, emphasizing privacy, speed, and maintainability.

ELLS Amikom Purwokerto 2024 Product Designer Gamified E-learning System

Utilized MDA framework to Integrated gamified features: Learning progression system, social motivation elements, achievement recognition.

Implemented Lean UX: MVP, rapid prototyping, feedback loops.

Conducted usability testing: Cognitive walkthroughs (100% success on 7/8 tasks), UEQ.

Experiences

Ideas Measure™ 2025 - Current Creative Designer Creative & Performance Digital Agency

Produced performance-driven digital assets boosting engagement by 45% in three months.

Delivered creatives for 20+ national and international brands with 3.2% average CTR uplift.

Collaborated across teams and partner agencies on integrated 360° campaigns exceeding IDR 1B in spend.

Ensured visual consistency and measurable impact through cohesive creative execution.

Rumah Photo Studio 2020 - 2024 Creative Designer Creative Modern Photo Studio

Created promotional visuals for wedding and advertising projects with precise photographic editing.

Developed cohesive publication layouts enhancing brand perception and visual integrity.

Handled full creative workflow from concept to production, ensuring clarity and quality across outputs.

HorizonDroid 2024 - Current Maintainer & UI Developer Global Android Distro Community

Develop and maintain the Horizon Droid interface to ensure performance, usability, and aesthetic consistency.

Implement UI components and system themes aligned with project guidelines.

Contribute to open-source collaboration, issue tracking, and feature enhancement. Optimize UX flow and interface responsiveness for seamless Android integration.

KomodoOS Indonesia 2022 - Current Maintainer & UI Developer Global Android Distro Community

Design and maintain UI components for a Lineage-based Android system with focus on consistency and performance.

Develop visual assets and system themes that align with modern design standards.

Ensure cohesive branding across platforms while optimizing interface usability and visual clarity.

Collaborate with the open-source community to enhance system stability and user experience.

Intermedia Amikom Purwokerto 2023 - 2024 Designer IT Enthusiast Organization

Produced visuals and publications for 30+ events, driving 300+ total participants.

Handled weekly documentation and digital dissemination.

Worked in sync with a 4-member creative team to maintain consistent narrative and design flow.

Course Taken

Linux System Administration, Open Source Development, Network Security, IT Maintenance, and Programming.

Achievement

1st Winner of Live Cyber Security winner by Technology Innovation Competition 2024

Volunteer Experiences

Baturrenden Trailrun Platform 2024 Product Design Developer Sport Platform Website

Crafted intuitive interface for event registration platform, ensuring fluid navigation and immersive flow.

Aligned design execution with brand vision and thematic direction through close coordination with event and marketing teams.

DevSecOps Eraspase 2024 IT Company Event Event Designer

Developed cohesive visual identity and campaign logo for digital and merchandise media.

Created high-impact promotional assets reinforcing event presence and marketing reach.

Komitkabe IT Gathering 2023 - 2024 Designer IT Enthusiast Event

Designed unified visual identity across banners, posters, and merchandise, elevating event engagement.

Directed end-to-end creative process from concept to delivery with consistent precision and quality.

Skills and Interests

Linux System Administration Network and System Security Open Collective Network Troubleshooting

Virtualization IT Infrastructure Security Hardening UI/UX Development

Tech Stack

archlinux. Canonical fedora Red Hat openSUSE macOS Microsoft

docker. vmware GitHub tailwindcss TS M↓

Languages

Bahasa Indonesia English



Projects and other writings can be found on the author's page by scanning the QR Code on the side or by visiting zamkara.uk

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Casestudy ↗ Projects ↗ Portfolio ↗ Blog ↗